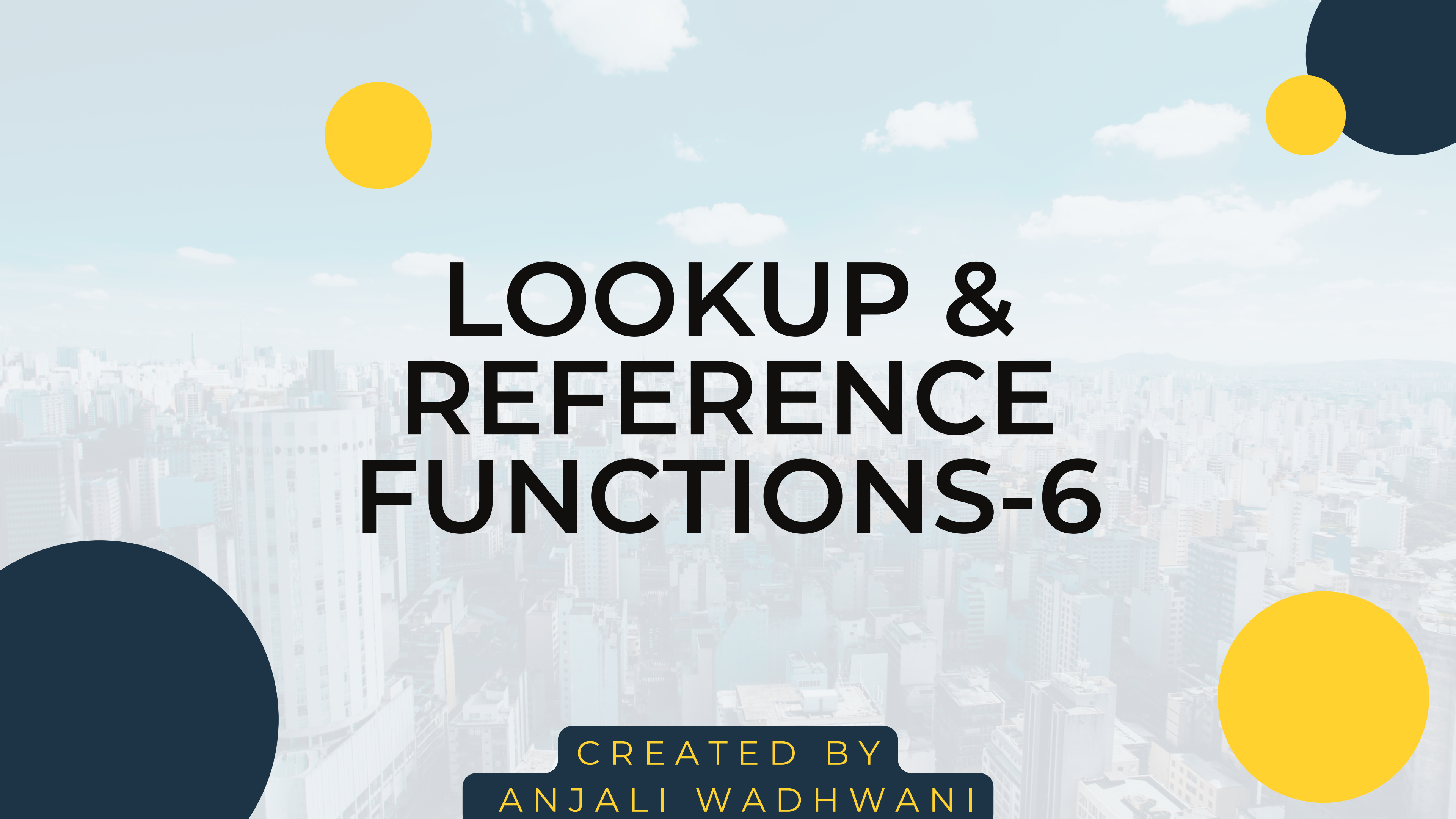




LOOKUP & REFERENCE FUNCTIONS-6

CREATED BY
ANJALI WADHWANI

MATCH

=MATCH(LOOKUP_VALUE, LOOKUP_ARRAY, [MATCH_TYPE])

- lookup_value - The value to match in lookup_array.
- lookup_array - A range of cells or an array reference.
- match_type - [optional]
- 1 = exact or next smallest (default),
- 0 = exact match,
- -1 = exact or next largest.

- 
- MATCH is an Excel function used to locate the position of a lookup value in a row, column, or table. MATCH supports approximate and exact matching, and wildcards (* ?) for partial matches.
 - Return value
A number representing a position in lookup_array.



Basic usage

The MATCH function is used to determine the position of a value in a range or array.

Basic Usage

	A	B	
1		Planets	
2		Mercury	
3		Venus	
4		Earth	
5		Mars	
6		Jupiter	
7		Saturn	
8		Uranus	
9		Neptune	
10			
11	Planets's Position		
12	Jupiter		5
13			

FORMULA REPRESENTATION

	A	B
1		Planets
2		Mercury
3		Venus
4		Earth
5		Mars
6		Jupiter
7		Saturn
8		Uranus
9		Neptune
10		
11	Planets's Position	
12	Jupiter	=MATCH(A12,B2:B9,0)
13		

- **MATCH function will always return the first match. If you need to return the last match (reverse search) see the XMATCH function.**

	A	B	C	D	E	F	G	H
1		Customer ID		# using wildcard and searching the the position of customerid starting with ty				
2		AB-123						
3		QW-1234						
4		WE-987		4				
5		TY-34						
6		AA-12		# using wildcard and searching the the position of customerid starting with a				
7		DC-345						
8		RTY-100						
9		VBS-123		1				
10								

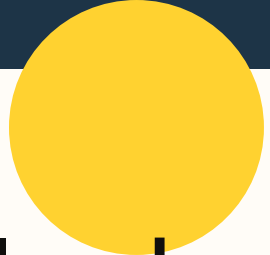
FORMULA REPRESENTATION

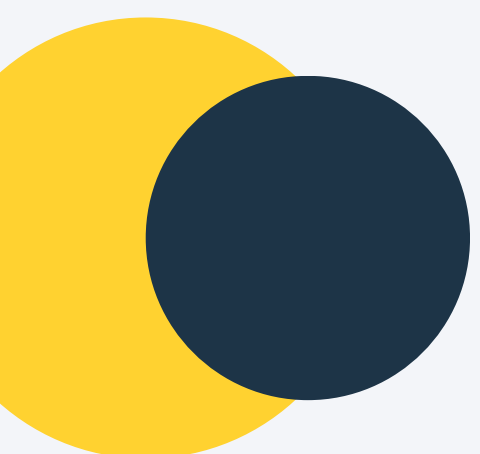
	B	C	D	E	
1	Customer ID				
2	AB-123			# using wildcard and searching t	
3	QW-1234				
4	WE-987		=MATCH("ty*",B2:B9,0)		
5	TY-34				
6	AA-12				
7	DC-345			# using wildcard and searching t	
8	RTY-100				
9	VBS-123		=MATCH("a*",B2:B9,0)		
10					
11					

XMATCH

=XMATCH(LOOKUP_VALUE, LOOKUP_ARRAY, [MATCH_MODE], [SEARCH_MODE])

- lookup_value - The lookup value.
- lookup_array - The array or range to search.
- match_mode - [optional] 0 = exact match (default), -1 = exact match or next smallest, 1 = exact match or next larger, 2 = wildcard match.
- search_mode - [optional] 1 = search from first (default), -1 = search from last, 2 = binary search ascending, -2 = binary search descending.

- 
- XMATCH function performs a lookup and returns a position in vertical or horizontal ranges. It is a more robust and flexible successor to the MATCH function. XMATCH supports approximate and exact matching, reverse search, and wildcards (* ?) for partial matches.
 - Return value
Numeric position in lookup array
- 



	B	C	D	E	F
1	Customer ID				
2	AB-123				
3	QW-1234				
4	WE-987				
5	TY-34				
6	AA-12				
7	DC-345				
8	RTY-100				
9	VBS-123				
10					
11	# using wildcard and searching the the position of customerid starting				
12	with A* from last				
13					
14	5				

FORMULA REPRESENTATION

	A	B	C
1		Customer ID	
2		AB-123	
3		QW-1234	
4		WE-987	
5		TY-34	
6		AA-12	
7		DC-345	
8		RTY-100	
9		VBS-123	
10			
11			
12		# using wildcard and search	
13			
14		=XMATCH("A*",B2:B9,2,-1)	
15			

Thank
you!

"Even a small star shines in
the darkness."
—Finnish proverb